

# **IBM 5253 Display Station I/PAR Code Guide and CE Log**

ZY31-0606-1

Serial No.

Install Date

## Second Edition (February 1983)

This is a major revision of, and obsoletes, ZY31-0606-0. Changes to this guide include information added about the Function Extension feature and the CE Log. Changes are periodically made to the information herein; these changes will be reported in new editions of this publication.

This publication is only for the purpose of guiding the customer engineer in coding the I/PAR for the IBM 5253 and logging the maintenance activity.

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## INSTRUCTIONS FOR USING THIS GUIDE

For problems on which a repair action has been taken:

- Record the three-digit major and the two-digit minor codes in the unit field of the I/PAR document.
- Select the cause code that best identifies the action, failure mode, and MAP/diagnostic package effectiveness.
- Record the cause code in the CAU ACT field of the I/PAR document.
- Complete the CE Log at the back of this guide.

For all *No Trouble Found* calls:

- Refer to major code 960.
- Complete the CE Log at the back of this guide.

### CAUSE CODES

(Do not use with major code 960.)

Choose one digit from each column:

CAU ACT		
Most Significant Action	Failure Mode	MAP/Diagnostic Package Effectiveness
1 Reseat or reinstall the original part	Solid	2 Used and effective
2 Swap for diagnostic purposes		3 Used and not effective
3 Replace		4 Not used
4 Adjust or repair or modify	Intermittent	5 Used and effective
5 Clean or lubricate		6 Used and not effective
6 Other action—described in narrative		7 Not used

**Note:** Consider the MAPs and diagnostics effective if they identify the failing part or direct you to the appropriate repair action or procedure.

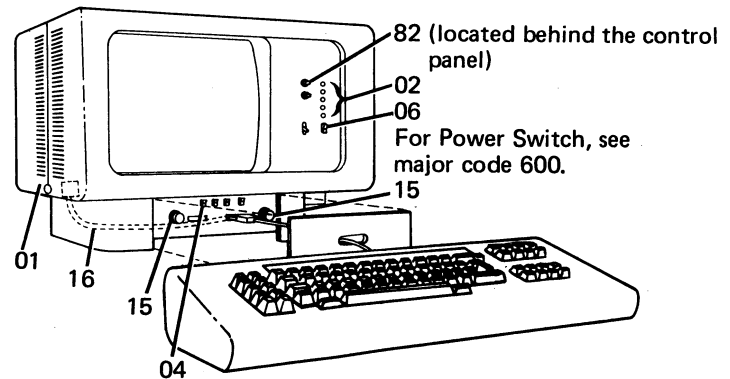
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## I/PAR Code Guide

### 000 BASE

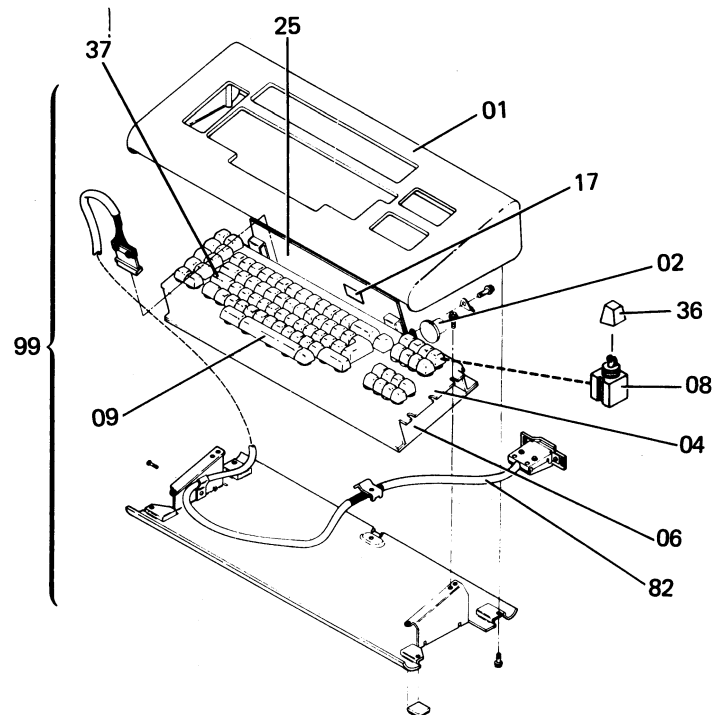
For the Power switch, see major code 600. For the Brightness and Contrast controls, see major code 200.

- 82 Cable/connectors, control panel
- 16 Cable/connectors, internal keyboard signal
- 15 Cable/connectors, internal system
- 01 Covers
- 02 LEDs
- 06 Switch, status
- 04 Switches, address (Cable Thru feature)
- 00 Other (Use only when no other minor code applies. Explain fully in narrative.)



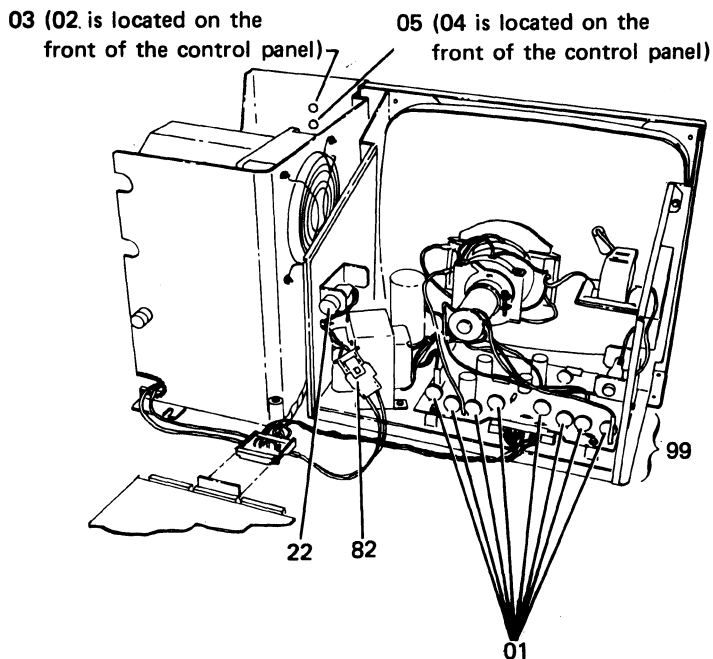
### 040 KEYBOARD

- 82 Cable/connectors, external keyboard signal
- 01 Cover or base
- 04 Dust (contamination) shield
- 17 Jumpers
- 08 Key module
- 99 Keyboard assembly
- 36 Keytop
- 25 Printed circuit board, logic
- 06 Printed circuit board, pad
- 37 Shift Lock mechanism
- 09 Spacebar
- 02 Speaker
- 00 Other (Use only when no other minor code applies. Explain fully in narrative.)



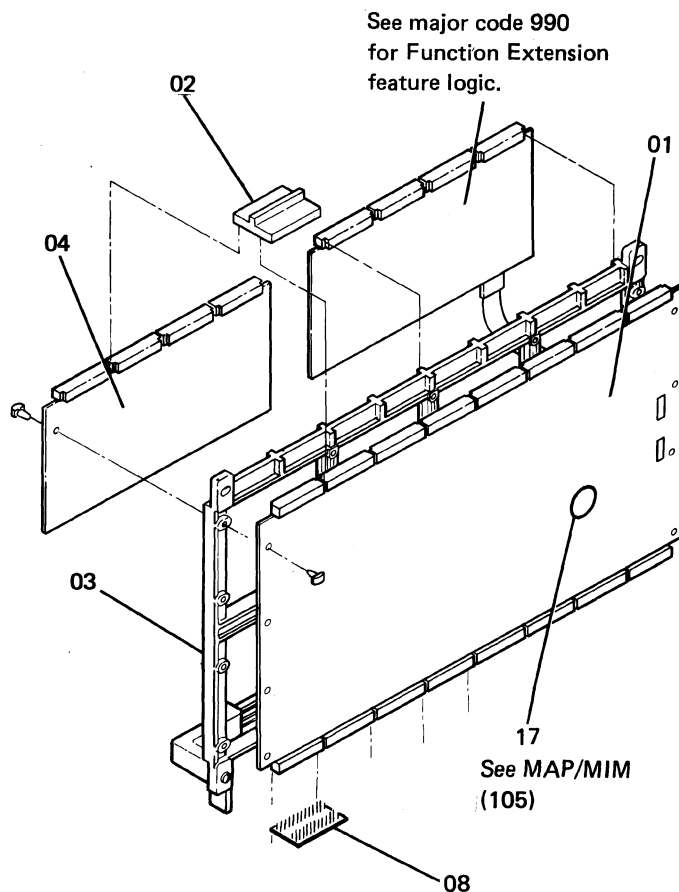
## 200 DISPLAY

- 02 Brightness knob
- 03 Brightness potentiometer, control panel
- 82 Cable/connectors, signal and power
- 04 Contrast knob
- 05 Contrast potentiometer, control panel
- 99 Display assembly (CRT)
- 22 Fuse (The location varies with the display type. Use major code 600 for AC power supply fuse.)
- 01 Potentiometers, display assembly (Record the potentiometer name in the narrative.)
- 00 Other (Use only when no other minor code applies. Explain fully in narrative.)



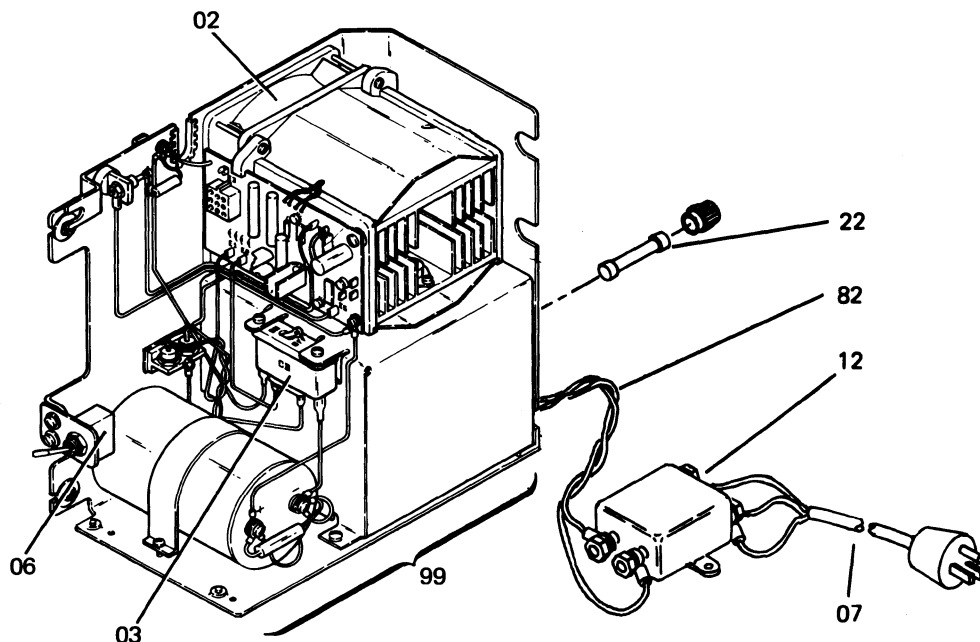
## 300 LOGIC

- 02 Cross-connectors
- 04 Extended storage card
- 08 Interposers
- 17 Jumpers
- 01 Planar
- 03 Stiffener
- 00 Other (Use only when no other minor code applies. Explain fully in narrative.)



## 600 POWER

- 82 Cables/connectors
- 03 Circuit breaker
- 02 Fan/blower
- 22 Fuse and fuse holder (Use major code 200 for display AC fuse.)
- 07 Line cord
- 12 Line filter
- 99 Power supply assembly
- 06 Switch, Power
- 00 Other (Use only when no other minor code applies. Explain fully in narrative.)



## 870 CUSTOMER RESPONSIBILITY

Use major code 870 only with service codes 14 and 30.

- 01 Customer application program
- 02 Environment unsuitable
- 03 Hardware compatibility
- 04 Operating procedures incorrect or operator error
- 05 Power failure or difficulty (external)
- 06 Twinaxial cable, connectors, station protectors
- 00 Other (Use only when no other minor code applies. Explain fully in narrative.)

## 960 NO TROUBLE FOUND

Major code 960 is used only to report calls when an error is logged, indicated, or reported, but no specific repair action is taken. Record 960 for the major code and the appropriate two-digits for the minor code. Record the symptom code (listed under the minor code) in the CAU ACT field of the I/PAR document.

### 03 Controller Communications/Internal Error Indicated

- 37 Cursor in position D
- 38 Cursor in position E
- 30 Internal check (if occurs during power up, see minor code 01)
- 34 Line checks
- 35 No address recognition
- 33 No line sync
- 31 Storage check (if occurs during power up, see minor code 01)
- 36 5253 auto resets (ready drops, diagnostics run, and then ready returns)

### 07 Device or Operator Error Code Indicated or Logged

- XX Record the two rightmost digits of the four-digit *operator* error code or *logged* device error code from EAP in the CAU ACT field of the I/PAR document. Do not record 0099 error code if other symptoms are available. (*Record the entire code in narrative and explain fully.*)

### 02 Display

- 21 Intensity problem
- 22 Poor quality, distortion
- 20 Screen blank

## 09 Features

- 93 Cable Thru
- 92 Keylock
- 95 Function Extension
- 00 Other (Use only when no other symptom code applies. Explain fully in narrative.)

### 04 Keyboard

- 44 Extra or missing characters
- 42 Inoperative
- 40 Keys stick
- 43 Overrun
- 41 Slow
- 45 Wrong characters

### 05 Missing or Incorrect Application Information

- 53 Attribute failure
- 50 Incorrect prompting
- 51 Wrong data, missing or extra characters
- 52 Wrong job displayed

### 06 Power

- 60 Blows fuses
- 61 Trips circuit breaker
- 00 Other (Use only when no other symptom code applies. Explain fully in narrative.)



**960 NO TROUBLE FOUND (continued)**

**01 Power-on Diagnostic Failure**

- 10 Cursor in position A
- 11 Cursor in position B
- 12 Cursor in position C
- 15 Internal check
- 16 Storage check
- 17 Not ready

**10 RPQ/Alterations and Attachments**

- 00 Other (Explain fully in narrative.)

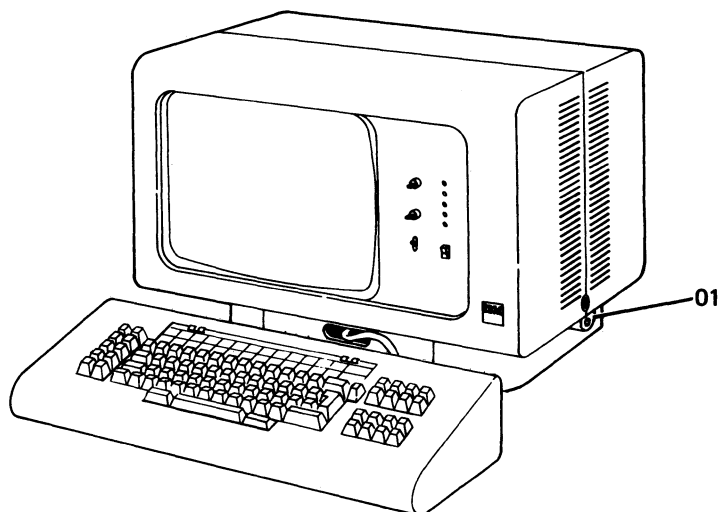
**990 FEATURES/RPQs**

- 03 Cable Thru feature
- 05 Function Extension feature card
- 06 Function Extension feature cable
- 01 Keylock and cable assembly
- 99 RPQ (Explain fully in narrative.)
- 00 Other (Use only when no other minor code applies. Explain fully in narrative.)

**08 Symptom not Described by Any Other Minor Code**

Select the symptom code below for the suspected area and explain fully in narrative.

- 03 Base
- 95 Cable (twinaxial)
- 87 Customer responsibility
- 20 Display
- 04 Keyboard
- 30 Logic
- 60 Power
- 90 System/controller



## CE Log

[illegible]









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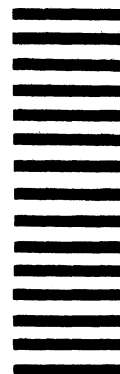
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